

Claims

1. Device for rolling up a web of elastic material in sheet form, comprising a frame, a rolling-up member having an essentially regularly curved support surface that is mounted
5 on the frame such that it can rotate, drive means for rotating the rolling-up member and securing means for securing one end of the material in sheet form that is to be rolled up to the rolling-up member, said securing means comprising two clamping jaws that are oriented axially with respect to the support surface and that can be moved between an open position for inserting or releasing the material in sheet form and a closed position for
10 clamping the material in sheet form, in which open position the clamping jaws enclose a slit-shaped opening in the support surface.

2. Device according to Claim 1, wherein the support surface of the rolling-up member is interrupted by an axial slit, on either side of which the clamping jaws are
15 located.

3. Device according to Claim 2, wherein one of the clamping jaws is defined by a fixed part of the support surface and the other clamping jaw is defined by a movable part of the support surface.
20

4. Device according to Claim 3, wherein the movable part of the support surface is fixed by means of an axial hinge to the fixed part of the support surface.

5. Device according to Claim 3, wherein an actuating device for driving the movable part is located between the fixed part and the movable part of the support surface.
25

6. Device according to Claim 5, wherein the actuating device comprises a piston/cylinder device.

7. Device according to one of Claim 3, wherein the movable part has a clamping jaw with an outward facing engagement surface and the fixed part has an opposing jaw with an inward facing engagement surface.
30

8. Device according to Claim 7, wherein the engagement surfaces have a structure that increases friction.

5 9. Device according to Claim 3, wherein the movable part has a base as well as a covering on the outside of the base.

10. Device according to Claim 9, wherein the covering comprises a plate that has essentially the same radius of curvature as the fixed part.

10 11. Device according to one of the preceding claims, wherein an auxiliary roller for pressing the material in sheet form against the rolling-up member extends parallel to the rolling-up member.

15 12. Device according to Claim 11, wherein the auxiliary roller can move towards and away from the rolling-up member.

13. Device according to Claim 12, wherein the auxiliary roller comprises a series of discs with a relatively soft surface positioned alongside one another.

20 14. Device according to claim 1, wherein the rolling-up member is mounted at one end on the frame such that it can rotate and is free at the opposite end.